

Patent Abstracts of Japan

PUBLICATION NUMBER : 06192295
PUBLICATION DATE : 12-07-94

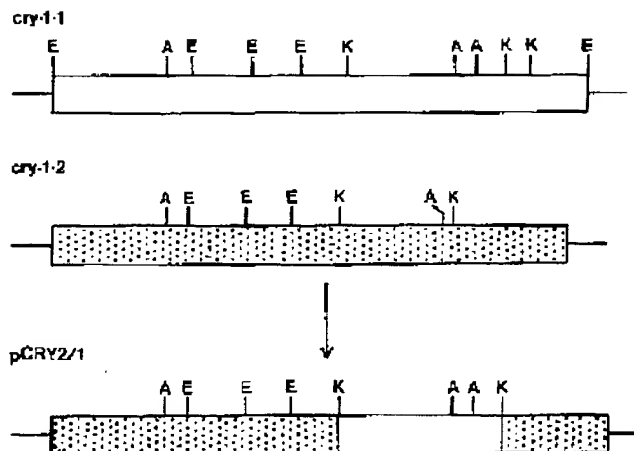
APPLICATION DATE : 01-03-91
APPLICATION NUMBER : 03059504

APPLICANT : TOAGOSEI CHEM IND CO LTD;

INVENTOR : OMORI IWAO;

INT.CL. : C07K 13/00 C12N 15/32 C12N 15/62 //
A01N 63/00 A01N 63/02 C12P 21/02
(C12N 15/32 , C12R 1:07), (C12P
21/02 , C12R 1:125)

TITLE : FUSED CRYSTALLINE TOXIN
PROTEIN AND GENE CODING THE
PROTEIN



ABSTRACT : PURPOSE: To relate to the crystal toxin protein having an excellent insecticidal effect and produced by *Bacillus thuringiensis*, and to construct the protein stable against proteases without deteriorating the characteristics of the protein.

CONSTITUTION: The C side terminal of a crystal toxin protein CRY-1-2 is substituted with the C side terminal of a crystal toxin protein CRY-1-2 to provide the crystal toxin protein. The crystal toxin protein excellent in an insecticidal effect and stable against proteases can be constructed, and when a gene coding the protein is used, the stable crystal toxin protein can be produced.

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APPL PARTS

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Internal Misc. Paper
LET.
Misc. Incoming Letter

371P
PCT Papers in a 371 Application

A...
Amendment Including Elections

ABST
Abstract

ADS
Application Data Sheet

AF/D
Affidavit or Exhibit Received

APPENDIX
Appendix

ARTIFACT
Artifact

BIB
Bib Data Sheet

CLM
Claim

COMPUTER
Computer Program Listing

CRFL
All CRF Papers for Backfile

DIST
Terminal Disclaimer Filed

DRW
Drawings

FOR
Foreign Reference

FRPR
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IDS
IDS Including 1449

NPL
Non-Patent Literature

OATH
Oath or Declaration

PET.
Petition

RETMAIL
Mail Returned by USPS

SEQLIST
Sequence Listing

SPEC
Specification

SPEC NO
Specification Not in English

TRNA
Transmittal New Application

CTNF
Count Non-Final

CTRS
Count Restriction

EXIN
Examiner Interview

M903
DO/EO Acceptance

M905
DO/EO Missing Requirement

NFDR
Formal Drawing Required

NOA
Notice of Allowance

PETDEC
Petition Decision

OUTGOING

CTMS
Misc. Office Action

1449
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APDEC
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APEA
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CTAV
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CTEQ
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CTFR
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INCOMING

AP.B
Appeal Brief

C.AD
Change of Address

N/AP
Notice of Appeal

PA..
Change in Power of Attorney

REM
Applicant Remarks in Amendment

XT/
Extension of Time filed separate

BACKFILE DOCUMENT INDEX SHEET

Internal

SRNT
Examiner Search Notes
CLMPTO
PTO Prepared Complete Claim Set

ECBOX
Evidence Copy Box Identification

WCLM
Claim Worksheet

WFEE
Fee Worksheet

File Wrapper

FWCLM
File Wrapper Claim

IIFW
File Wrapper Issue Information

SRFW
File Wrapper Search Info

UNITED STATES NATIONAL STAGE SHEET (DU,EO)

Barbara Campbell, Paralegal

PUBLICATION NO. WO 00/66755

PUBLICATION DATE 11-9-00

U. S. APPL. NO. 09/980650

INTERNATIONAL APPL. GBCO/01633

Application Filed By: 20 MOS. _____ 30 MOS. ☒

Copy of International Application ☒ Missing _____

371 Filing fees ☒ paid _____ insufficient _____

Total Claims 49 Chargeable 49 Independent 3 Multiple N

Total Drawing Sheets 21

Oath/Declaration missing _____ signed ☒ unsigned _____ defective _____

Small entity _____ large entity ☒

Biochemical Seq. Diskette ☒ missing _____ damaged _____ entered ☒ not entered _____

Biochemical Sequence listing _____ missing _____ statement ☒ no statement ☒

Copy of References Cited in ISR ☒

Copy of IPRE ☒ annexes _____ entered _____ not entered _____

Preliminary Amendments ☒ entered _____ not entered _____

IDS _____

Request for Immediate Examination _____

Substitute Specification _____

Application fees owed ☒ paid ☒ declaration ☒ claims _____ multiple _____
Translation _____ extension of time _____

35 USC Receipt of Request 10-26-01

Date completion USC 371 Requirements 4-5-02

Notice of Missing Requirements 1-30-02

Notice of Defective _____ Response _____ Translation _____ Declaration _____

Notice of Acceptance 8-8-02

Notice of Abandonment _____



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No.	Doccode	Number of pages
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CLMPTO _____
PTO Prepared Complete Claim Set

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Evidence Copy Box Identification

WCLM _____
Claim Worksheet

WFEE _____
Fee Worksheet